CIMdata

PLM Weekly Summary

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CIMdata News

CIMdata Announces the Addition of a Data Governance Consulting Practice

07 April 2020

CIMdata, Inc., the leading global PLM strategic management consulting and research firm, announces the addition of a Data Governance consulting practice. This practice will focus on the strategic expansion of PLM to provide actionable insight on where to begin, how to define, implement, and maintain data policies, procedures, and structures. It will also address the supporting organizational roles and responsibilities.

CIMdata senior consultant, Ms. Janie Gurley, will be responsible for leading the Data Governance practice. Ms. Gurley will also continue to manage the services CIMdata delivers to PLM solution providers, including the coordination of CIMdata's global Community and associated solution provider strategic management consulting activities.

Ms. Gurley has over 26 years of professional experience in understanding and supporting strategic business execution with broad-based expertise in product development solutions within manufacturing. She has worked on projects in numerous industries, including aerospace, steel, steam engineering product solutions, engineered flow solutions (pumps, valves, and seals), mechanical and industrial engineering (oil and gas, power, chemical, water, pharmaceuticals, and bio-based consumer goods), in-store and retail bakery ingredients/food production, coffee and brewers, fiberglass yarn, and casino slot games.

"As digital transformation spreads throughout business, the need for effective Data Governance is gaining importance, benefiting every task and process where reliable data is indispensable. Digital transformation is only one of the drivers of the need for Data Governance. Many other changes are sweeping through today's successful enterprises, including fundamental shifts in the ways that products are planned, developed, marketed, and serviced," stated Ms. Gurley. She continued, "Fundamentally, data governance is a discipline that ensures an organization's data can be trusted and that any problems can be identified before analysis or a decision is made based on bad data."

CIMdata's data governance methodology recognizes that successful planning, selection, and implementation of new business strategies and enabling solutions involves an ongoing and cyclical process comprising eight phases that successfully define and implement a data governance strategy and supporting structures. This methodology applies to every organization—whatever the industry, whatever the specific requirements or applications, and whatever the desired result. Each phase is separate, unique, and of equal importance. For the outcome to be successful, each requires a set of targeted activities and deliverables. CIMdata is ready to provide support during each phase.

The Data Governance practice will leverage CIMdata's more than thirty-five years of experience serving industrial companies and software and service providers through strategic management consulting, market research and analysis, and best practices education. For more information, contact CIMdata at info@cimdata.com or +1 734.668.9922.

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Dr. Ken Versprille, to Participate in an upcoming Webinar on Export Control and ITAR

09 April 2020

CIMdata, Inc., the leading global PLM strategic management consulting and research firm, announces that its Executive Consultant, Dr. Ken Versprille, will take part in a webinar that is being organized by Eurostep AB.

In this webinar, "Addressing the Challenge of Sharing Export Control and ITAR Information across an Extended Enterprise," attendees will learn how to meet the challenges faced when collaborating in global value chains with data regulated by Export Control in combination with non-regulated data. Attendees will also learn about Eurostep's solution, ShareAspace Export Control.

According to Dr. Versprille, "In working with aerospace and defense companies, CIMdata commonly hears their important concerns with identifying and limiting product design information relative to intellectual property and export control across their supplier network. We also see an increasing interest in other sectors of the manufacturing industry where sensitive IP is shared as well as a growing need within small and medium businesses."

Dr. Versprille has over 40 years of experience in the application of computer-based solutions for engineering and manufacturing. His research spans geometric design, design collaboration and automation, PLM standards and openness, and the integration of CAD across PLM applications. Dr. Versprille published the first description of NURBS, the mathematical curve-and-surface formulation, now an international standard in CAD and Computer Graphics. In 2005 he received a Lifetime Achievement Award from The CAD Society.

This webinar will be of use to those who are involved in exporting or importing products that are subject to export control regulations. It is appropriate for traditional defense companies and any company involved with information that is Export Control classified.

The webinar will take place on Wednesday, 22 April, at 10:00 a.m. EDT. To learn more or to register for this free webinar, visit https://app.livestorm.co/eurostep-ab/export-control-data-compliance-and-global-value-chains-collaboration.

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The PLM Economy Mobilizes on COVID-19 – A CIMdata Highlight

10 April 2020

The world is battling its worst medical crisis since the 1918 influenza pandemic. While the virus first emerged in China, geography has not contained it. Cases are being reported in countries around the world and many national health systems are straining to best serve their citizens.

Overnight the world changed. Factories and business shuttered. Unemployment rolls are growing and government support efforts proliferating in countries around the world. Many more people are working from home than ever before.

The global PLM Economy, the community of software and service providers, has mobilized to help their customers, health care practitioners, and regular citizens to meet the drastic changes facing industry and society at large. There are many examples of how solution providers are working to empower people in this new reality. Some examples include:

Altair is allowing customers to move existing licenses seamlessly from on-premise servers to hosted

servers using Altair Hosted HyperWorks Units (HHWUs).[1]

Autodesk is offering free and extended access to their cloud collaboration products.[2]

Hexagon has a broad response across their business units. Manufacturing Intelligence (MI) created a working at home program to support customers and non-customers for their smart manufacturing offerings.[3] Their Geospatial division is offering "home office" licenses of the Power Portfolio offering.[4]

PTC has increased their support for remote working across their portfolio, and free access to Vuforia Chalk, their augmented reality-enabled remote assistance and collaboration tool.[5]

Siemens is offering free 30-day subscriptions to its online learning memberships and a free version of their Mendix application development environment.[6]

Upchain has enhanced their Connect the Chain offering so that it better supports and enables current work from home policies by extending one month of free subscriptions for any additional users.[7]

These are only a few examples of actions taken to help companies and individuals remain productive in the face of this global challenge.

At our recent PLM Market & Industry Forum, CIMdata talked about the impacts of COVID-19 on the PLM Economy in 2019 and beyond. While we think the fundamental market opportunity remains strong, things will change in the short- and medium-terms that will negatively impact market results. In some cases, there may be a "new normal" that emerges after the crisis ebbs. CIMdata is planning a public Webinar on this topic in the coming weeks. Please visit www.CIMdata.com for details.

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Acquisitions

Accenture Acquires Revolutionary Security, Provider of Cybersecurity Services for Critical Infrastructure
08 April 2020

Accenture has acquired Revolutionary Security, a privately held company specializing in enterprise cybersecurity for information technology (IT) and operational technology (OT) environments. Financial terms were not disclosed.

Revolutionary Security's portfolio of cybersecurity services includes assessment and testing, design and build of security programs and functions as well as security operations across its clients' IT and OT systems. Revolutionary Security leverages proprietary technology and methods to help mature the security capabilities of its clients and manage risk. The company's breach and attack simulation testing service, LiveFire®, utilizes real-world cyber threats to identify gaps in security processes and monitoring, as well as staff operations and technologies. The results help organizations prioritize actions

[1] https://insidehpc.com/2020/04/altair-offers-free-training-tools-and-software-licensing-in-response-to-covid-19/
[2] https://adsknews.autodesk.com/views/covid-19
[3] https://www.hexagonmi.com/about-us/covid-19-coronavirus/work-at-home-smarter
[4] https://blog.hexagongeospatial.com/power-portfolio-home-office-licenses-available-to-our-customers-at-no-extra-cost/
[5] https://www.ptc.com/en/support/enablement/COVID19-Resources
[6] https://www.automationmag.com/siemens-offering-some-software-services-free-during-covid-19/
[7] https://www.connect-the-chain.com/

to mitigate cyber risks within their enterprise.

Headquartered in the greater Philadelphia area, Revolutionary Security employs 90 highly skilled cybersecurity professionals throughout the United States. The company, founded in 2016, serves a variety of clients in the energy, manufacturing, healthcare, financial services and communications industries.

"The acquisition of Revolutionary Security is another demonstration of our continued commitment to invest in areas to keep our clients safe from cyber threats," said Kelly Bissell, who leads Accenture Security globally. "Revolutionary Security's service offerings are a perfect complement to Accenture's portfolio, and the acquisition furthers our mission of helping clients better protect and defend their organizations across their entire ecosystem."

The acquisition will provide Accenture's clients with greater end to end solutions, particularly regarding more complex IT and OT cybersecurity challenges.

"High-profile and targeted cyberattacks around the world are putting increased attention on critical IT and OT security risks, with potentially catastrophic consequences if systems are hijacked," said Jim Guinn II, who leads Accenture's cybersecurity business for the energy, utilities, chemical and mining industries. "Companies often lack the necessary visibility to manage and measure OT cyber risk in the same way as IT risk. Revolutionary Security's extensive experience working with industrial companies and their specialized technical skill set will be incredibly valuable to our clients."

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Koch Industries Completes Acquisition of Infor

07 April 2020

Koch Industries, Inc. announced that it has completed the acquisition of the remaining portion of Infor from Golden Gate Capital. Infor, a global leader in business cloud software specialized by industry, has been a key component of Koch's technological transformation. Koch companies have made more than $26 billion in technology-related investments in the past six years, transforming a global portfolio of businesses spanning multiple industries. In addition to being an Infor investor since 2017, Koch has been a key customer, implementing Infor solutions across its businesses in areas like enterprise resource planning, human resources, supply chain, asset management and finance.

The acquisition brings new key capabilities to Koch to accelerate digital transformation, while providing Infor with resources and industry knowledge to continue growing its expertise in mission critical software for industries like manufacturing, retail and distribution, among others. Additionally, Infor's industry-leading Healthcare Operations Platform and Interoperability Solutions extend Koch's involvement in healthcare, where Koch companies are already engaged in connected device manufacturing, medical product purification, and hospital supplies.

Infor is now a standalone subsidiary of Koch Industries, and continues to operate under the company's current management team from its headquarters in New York City. The acquisition positions Infor as one of the most well-capitalized companies in technology. Infor has invested approximately $4 billion in product design and development to deliver industry-specific CloudSuites that solve the most challenging operational issues for over 68,000 customers around the globe.

"Joining Koch Industries is an exciting new chapter in Infor's history," said Kevin Samuelson, CEO of Infor. "It allows us to take a long-term approach, focused on developing industry-specific solutions that help customers modernize and drive immediate, tangible impact."

"It's been clear from day one that Infor's unique approach and innovative team are truly bringing value to the market," said Jim Hannan, executive vice president and CEO of Enterprises for Koch Industries. "We want to thank Golden Gate Capital for such a productive partnership and welcome Infor's 17,000 global employees to Koch Industries."

"We are proud to have founded and grown Infor into an industry leader over the past 18 years," said David Dominik, co-founder of Golden Gate Capital. Golden Gate Capital Managing Director Rishi Chandna added, "We have enjoyed our partnership with management and Koch Industries, and wish the Infor team well in the company's next era of growth."

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Luxoft, a DXC Technology Company, Completes Acquisition of CMORE Automotive

10 April 2020

Luxoft, a DXC Technology Company announced the completion of its acquisition of CMORE Automotive, an independent services provider dedicated to the development and validation of AI-driven mobility systems.

Luxoft had announced a definitive agreement to acquire CMORE Automotive on March 5, 2020 and received final regulatory approval on March 24, 2020.

The acquisition builds on Luxoft's capabilities in data-driven development, testing and validation of Autonomous Drive/Advanced Driver Assistance Systems (AD/ADAS) for Level 3 to Level 5 autonomous functions and strengthens the company's ability to design and deploy transformative AD/ADAS programs for clients at scale.

"With CMORE Automotive, Luxoft will extend its spectrum of AD/ADAS initiatives, from enabling customers to amplify their fusion, perception and driving function development, testing and validation capacities to delivering transformative AD/ADAS solutions at scale. I want to welcome the CMORE Automotive team to the DXC family," said Dmitry Loschinin, executive vice president, DXC Technology, and president and chief executive officer, Luxoft."

"We are excited to be a part of the DXC family and it's Autonomous Drive team and looking forward to accelerate customers' in-car series projects with end-to-end AI-driven development, testing and validation of AD/ADAS solutions at scale." said Richard Woller, chief executive officer, CMORE Automotive.

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Company News

EMA Design Automation Announces Partnership with Dassault

10 April 2020

EMA Design Automation® announced it has entered into a partnership with Dassault Systèmes that is committed to driving disruptive business transformation for electronic product development. This

partnership will work towards the joint mission of connecting teams across a common data model for unified product development and collaboration.

"Our main goal has always been to provide our customers with the right tools, processes, and systems to address their business needs," said Manny Marcano, President and CEO of EMA Design Automation. "Our electronics expertise combined with the 3DEXPERIENCE platform allows us to break down traditional communication barriers, providing organizations a single source of truth to deliver truly differentiated experiences for their customers."

As product development becomes more complex and intertwined, Dassault Systèmes' 3DEXPERIENCE platform addresses the unique business challenges that arise within the high-tech industry. Traditionally, each phase has been treated as silos of energy, which leads to inefficiencies, multiple revisions, and often missed market opportunities. The 3DEXPERIENCE platform provides businesses with insight into all phases of the design cycle, naturally connecting the organization in one digital environment.

EMA will be providing sales and support for the 3DEXPERIENCE platform. Product teams now have a way to pull together and leverage information from across the organization in context. This unified approach provides stakeholders with the ability to design, simulate, analyze, and verify a true digital twin long before anything is produced; eliminating the need for multiple design iterations prior to production.

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Gerber Technology Brings Together Industry Suppliers to Increase Production and Availability of Personal Protective Equipment (PPE)

09 April 2020

Leading companies, such as Coats for threads and industry connections or Zilingo for sourcing, have joined the PPE Task Force as coalition partners, strengthening support for manufacturers throughout the entire supply chain. Building on their successful experience of converting Chinese manufacturers to produce PPE to address the COVID-19 mitigation plans in China, Gerber and its partners formed a network to scale the global production and to match supply and demand for critically needed PPE products.

"Working across the industry in a unique ecosystem of professionals with diverse backgrounds and experiences has allowed us to support manufacturers' conversion to PPE production by providing support for raw material selection, procurement and technical specifications to finished goods delivery. It is an ambitious initiative, but through a lot of hard work by the team and our partners, it is quickly becoming a powerful engine to drive solid and efficient PPE mass production," said Mohit Uberoi, CEO of Gerber Technology. "We would like to thank our employees and global network of partners for joining our mission and going the extra mile to maximize the production capacity and availability to protect both medical professionals and people on the frontlines."

Gerber's global network of technology partners have provided comprehensive expertise and support to build an end-to-end "trusted supply chain" for personal protective equipment. Gerber's partners include leading industry companies and associations such as AAFA, AAPN, Coats, Elevate Textiles, Fashion for Frontline, Henderson Sewing, Industrial Fabrics Association International, NCTO, SPESA, Suuchi, and Zilingo.

"The Gerber Team's expertise, forward-thinking and innovative technology are a true asset during this difficult time as many companies are eager to ramp up production but aren't sure where to begin," said Kim Glas, President and CEO of the National Council of Textile Organizations (NCTO). "With Gerber's and NCTO's combined support, manufacturers are able to quickly transform their supply chain and begin producing PPE in short order."

"In unprecedented times we can be most effective by working together in partnerships for the greater good," said Rajiv Sharma, Group Chief Executive, Coats. "By collaborating our innovation, expertise and industry connections we can deliver an industry-defining moment that is greater than the sum of its parts. Coats is proud to be joining the Gerber PPE Task Force and we are ready to help make a difference in keeping people safe during the pandemic."

"Gerber has been an invaluable partner to AAFA and its members in our collective efforts to fight the COVID-19 pandemic." noted Steve Lamar, President and CEO of the American Apparel & Footwear Association. "Gerber's skill, professionalism, and manufacturing expertise have been transformative in the industry's ability to repurpose and ramp up production of life-saving personal protective equipment."

"Gerber's library of helpful resources made our transition to PPE incredibly quick and smooth," said Kirby Best, CEO of OnPoint Manufacturing. "With Gerber's equipment, expertise and support we were able to successfully transition our supply chain to manufacturing 90% PPE in a matter of days."

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Infor Launches User Community for Infor CloudSuite EAM in the Middle East
08 April 2020

Infor announced it has officially launched a customer user community for Infor CloudSuite™ EAM (Enterprise Asset Management) in the Middle East.

Infor has enjoyed spectacular success with its user communities initiative globally, with thousands of customers joining the platform and forming user groups to enhance their learning, share best practices, and maximize the benefits of their Infor solutions.

The company expects to replicate this success with its new user community in the Middle East, where EAM software is a fast-growing segment. Indeed, organizations across the region are keen to maximize their efficiency and improve their services by using their assets more intelligently.

The global enterprise asset management market is expected to reach a value of $8.2 billion by 2024, up from $5.1 billion in 2019 and representing a compound annual growth rate (CAGR) of 10%, according to Markets & Markets. This growth means there is a huge hunger for learning and dialogue among CloudSuite EAM customers.

"We're thrilled to launch the user community for our CloudSuite EAM customers in the region, who will now be empowered to talk to each other, share tips, and best practices, while also ensuring they're truly maximizing their investment," said Jonathan Wood, Infor's general manager for Middle East & Africa. "We're seeing a significant rise in the adoption of EAM across the region and across a variety of sectors, which makes this the perfect time to launch the user community."

Infor has seen enhanced satisfaction among customers that engage with user communities globally. These groups, which are set up and administered by enthusiastic users of Infor solutions, encourage members to engage in open dialogue about the solutions they are using: from great ways to use new features to overcoming any technical or adoption challenges.

In turn, this dialogue also presents rich customer feedback for Infor, which gains new insights into how its solutions are being used in the field, thereby empowering the company to enhance its solutions further.

Infor previewed its Middle East EAM user community at its recent EAM Summit in Dubai. The company has seen a significant increase in interest in Infor CloudSuite EAM with organizations that includes Mazad, Nakheel, RAK Wastewater Agency and the American University of Beirut among its customers in the Middle East.

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Mastercam is New Strategic Partner of NCATC

09 April 2020

Mastercam, CAD/CAM software developed by CNC Software, Inc., is pleased to announce that they are the newest Strategic Partner of the National Coalition of Advanced Technology Centers (NCATC). Founded in 1988, the NCATC supports a network of higher education and industry-led resources that advocates, advises, and promotes the use of advanced technology applications to enhance economic and workforce development programs and services.

"NCATC is a cutting-edge organization in workforce development. It makes perfect sense to welcome Mastercam as a new Strategic Partner," says Toni Neary, Director of Education, Morris Group – Haas Division, NCATC Board Member. "Working through our network and annual conferences, we look to bridge the skills gap and appreciate the insight Mastercam can bring to conversation."

Mastercam is the most widely used CAM software in education and industry around the world. Educators choose Mastercam to introduce students to manufacturing and provide practical skills and experience using the same CAD/CAM software that is found in professional shops of all sizes. With more installed seats in industry and education, Mastercam helps students bridge the skills gap and begin careers in manufacturing.

"We are excited to be a Strategic Partner of NCATC and honored to be the first CAD/CAM company in a group that includes the best-in-class industry partners like Haas, Verisurf, Sandvik, AMT, and so many others," says Peter Mancini, Education Product Manager. "Many of our education customers are members, and we want to increase the national awareness of these Advanced Technology Centers and their positive impact on the country's competitiveness and economic growth."

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ModuleWorks Achieves ISO 9001:2015 Certification

06 April 2020

ModuleWorks announces that it has achieved ISO 9001:2015 certification. ISO 9001 is an international standard for quality management systems. Companies who achieve the standard demonstrate their commitment to continuous quality improvement and their ability to deliver products and services that constantly strive to exceed customers' expectations. This is measured by quality criteria ranging from the leadership of top management to the commitment of employees and the effective use of transparent business processes.

"We are very proud to receive ISO 9001:2015 certification", says Yavuz Murtezaoglu, Managing Director of ModuleWorks. "It's great news for us and our customers. It confirms we have rigorous, well-documented and flexible business processes that empower our people and constantly optimize our

operations. This give us the ideal platform for continuing to deliver high-quality software that sparks innovation and gives our partners a competitive edge."

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New CGS Survey Finds Loyalty Programs & Communication Essential to Retail Success During a Market Disruption

09 April 2020

CGS announced new data about consumer purchasing trends and service interactions during March 2020 in its 2020 CGS State of the U.S. eCommerce Consumer Survey. As retailers around the world shift their business models to support COVID-19 social distancing requirements, finding ways to connect with new and long-term customers is crucial. The survey found that consumers are still purchasing non-essential items and willing to adjust their service expectations, as long as companies communicate any disruptions and reward their loyalty.

CGS sponsored Dynata to survey 1,000 consumers across the U.S. about their current spending habits around non-essential items. For the purposes of this survey, non-essential purchases are items other than food, medicine and hygiene products. Notable findings include:

Consumers aren't upset about service disruptions, but continued transparency is essential
Whether it's production delays or a reduced staff, many companies are unable to maintain the level of service they had earlier this year. However, most consumers said they were not affected by these operational strains. More than half of the respondents (53 percent) stated that they are not feeling any disruptions to their service right now. A large part of this could be the proactive communication they are receiving around service disruptions. When asked if consumers are experiencing delays, more than one-third said they were but the brand communicated the delay. Another 28 percent reported experiencing no delays at all. As long as companies are being proactive to remedy delays and make customers aware of the longer resolution timeline, consumers are less likely to feel any significant service disruptions.

Loyalty programs are a must-have for retailers
Across the globe, many businesses are using rewards and loyalty perks as a way to maintain their customer base – and it's working. When asked what type of loyalty programs would entice them to buy right now, more than 90 percent of consumers responded that free shipping and product discounts/promotions would win them over. For small and local retailers, this is even more crucial to ensure they maintain their instore customer base. Right now, the majority of consumers (69 percent) are utilizing Amazon and other marketplace websites for their non-essential purchases. Another 13 percent are using department store websites, with less than ten percent going directly to a brand's website or a local store. Rewarding customers through promotions, membership benefits and individual perks is a way of maintaining business through these difficult times and beyond.

Consumers continue to make non-essential purchases for their wardrobe
Americans are extremely focused on the health and safety of their loved ones right now, but they are still finding ways to treat themselves and others. This includes making updates to their closet: 49 percent of consumers are purchasing everyday clothing. That percentage increases to almost 60 percent when looking at the respondents who have full-time employment.

"While so much of the retail and wholesale industry has been upended, consumers are continuing to purchase clothing for their everyday lives," said Paul Magel, President, Business Applications at CGS. "The survey confirms that the abrupt change to work from home and social distancing requires a different type of wardrobe – less spending on luxury items and accessories."

Of the one thousand individuals surveyed, the majority of consumers (46 percent) are employed full-time and another 17 percent are retired. Access to a stable income likely factored into their purchasing habits, but age also played a major role. When looking at millennials (25-34-year old), 64 percent are buying everyday clothing. The older consumers are much less likely to be making fashion purchases, suggesting retailers should focus their targeting efforts on younger buyers.

About the survey:
Dynata, the leading market research and insights company, conducted this survey of 1,000 U.S. consumers March 30-31, 2020. The full findings are available here.

The CGS BlueCherry® Enterprise Suite provides clients with a powerful, comprehensive set of tools to drive their fundamental business processes. It focuses on the needs of high-growth organizations operating in the consumer lifestyle products, retail and apparel industries. The BlueCherry Enterprise Suite's built-in capacity addresses the needs of all core management, planning, product development, manufacturing, logistics, finance and sales functions.

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SAP Helps the Stranded Fly Home in the Cloud

10 April 2020

In just 24 hours, SAP built an emergency repatriation platform for Germany's Foreign Ministry. The unique project, rueckholprogramm.de, was made possible by both SAP Cloud Platform and an amazing commitment from a global virtual team.

At 7:00 p.m. on March 17, Rui Nogueira was working from his home in Walldorf and about to log off for the evening when he received an e-mail from SAP Executive Board Member Juergen Mueller. The moment he read the chief technology officer's message, he realized he would not be logging off any time soon. Nogueira told his wife he had a long night's work ahead of him.

The night would last nearly 24 hours. But by the time it ended, Nogueira, chief product expert for SAP Cloud Platform, and a team of around 40 colleagues across three time zones had made a small but vitally important contribution to dealing with the effects of COVID-19.

Widespread Quarantine: Stable Platform Is Vital

With travel restrictions in place, reports rose of Germans camping at airports in Mexico because the hotels are closed, not knowing when there will be another flight back home. Others are forbidden to leave their tiny huts in the Philippines, not even to go to the beach, and have no idea when or how they will be able to get to the next major airport. More are quarantined in a hotel in northern Cyprus. The list is long, and they all want to return to Germany as soon as possible.

With moods swinging between resignation and panic, the stranded were counting on the German government's repatriation program to come to their aid. They registered via an app on the ELEFAND list, an emergency contact list administered by the German Foreign Ministry for German citizens living and traveling abroad.

But the underlying platform had been designed for use in isolated emergencies and according to Nogueira "was not built to cope with huge numbers of people trying to log on." A growing number of stranded Germans got no more than a "server unavailable" message, and eventually the platform crashed completely.

Emergency Repatriation Program: Teamwork Is Crucial

Help was needed urgently, without a second to lose. SAP received a call from the German Foreign Ministry late in the afternoon on March 17 and Nogueira was contacted that evening. Having spent seven years involved with SAP Cloud Platform, Nogueira not only knows the technology inside-out, he also knows the people who work in that environment and their skillsets.

The first meeting — held virtually, of course — took place at 7:30 p.m. An hour later, a core team of eight had been assembled. Each of its members, one of whom was in the U.S., began "recruiting" additional SAP specialists for specific tasks.

"What we needed at that moment was a combination of expertise and a willingness to drop everything and 'make a night of it,'" Nogueira says. It wasn't hard to get everyone on board. "First off, it's common practice at SAP for people to help each other; secondly, almost everyone wants to do something to help solve the current problems; and, thirdly, who says no when the CTO asks for help?"

Communication and coordination took place in a Microsoft Teams room, which was kept open for the customer too. This meant that Foreign Ministry personnel could watch the solution gradually taking shape. In multiple meetings scheduled at intervals during the night, the project partners checked the current status against requirements and made adjustments as and where needed.

New App Built on SAP Cloud Platform

The aim was not only to develop the app but above all ensure it was scalable and would run securely on SAP Cloud Platform. Data protection requirements were the toughest challenge. "When describing their situation, people obviously can't avoid posting personal data on the platform. That data has to be secure," Nogueira explains.

To make sure any security flaws were detected and resolved at the development stage, before the app went live, the team's data protection experts were asked to try and "break" the application. They could not, but their penetration testing uncovered one or two weaknesses, which the team were then able to correct early on.

Almost 24 hours after the initial request, the SAP solution for the German Foreign Ministry was complete and accessible worldwide at rueckholprogramm.de, thanks to an impressive team effort that surpassed anything Nogueira had ever experienced in terms of intensity and time pressure.

What did he take away from the project? The first aspect he stresses is community spirit, the way people really do pull together when it matters. The second is that a global network is more vital than ever in situations like these. "We hit a problem we couldn't solve at about 3:00 a.m.," he shares. "So we contacted colleagues in India, who came up with a quick and pragmatic solution."

"The Real Work Is Only Just Beginning"

The project also showed that if properly organized, remote teams function well — even in exceptional situations. In this case, having live contact with the customer was patently also both crucial and instructive, and it helped SAP build precisely what the German Foreign Ministry needed at such short notice. Currently, an SAP team is engaged in making the solution available to other countries as well.

Although everyone involved is delighted with the project and its outcome, SAP CTO Juergen Mueller is quick to put the company's contribution in perspective. "The real work — the task of actually getting people home — is only just beginning," he says.

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SAP: How Supply Chain Leaders Minimize Risk and Maximize Opportunities

07 April 2020

SAP SE announced a new research report, in partnership with Oxford Economics, whose findings offer especially timely insights to help companies minimize disruptions to their supply chains, even in crises.

"The world we live in, while often turbulent, has been turned on its head recently with the impact of COVID-19," said Martin Barkman, SAP senior vice president and head of Digital Supply Chain, Solution Management. "This unprecedented situation has led to a severe disruption in supply chains, making it challenging for businesses to deliver products on time and meet customer needs. Now more than ever, we need supply chains that are resilient."

The SAP and Oxford Economics survey examined the practices of "Supply Chain Leaders" – those 12 percent of respondents with more resilient supply chains and higher levels of innovation, customer and employee satisfaction, and growth numbers in comparison to other respondents. While all supply chains are vulnerable to risks in a global economy, the research suggests organizations embrace the traits of industry leaders to be best set up for success, especially during times of disruption. Supply Chain Leaders are identified as those who share the following four traits:

Base most of their product value chain decisions on customer needs

Factor in sustainability issues from product design through delivery

Capture and act on real-time information, often using artificial intelligence or predictive analytics

Deploy advanced technologies at scale across their organizations

Although the survey was completed in the early days of COVID-19, before the supply chain disruption reached crisis levels, its finding are applicable to today's challenges.

"The findings show that supply chain executives need the visibility to make informed decisions with speed and accuracy by leveraging technology that helps their business to sense, predict and respond to these global dynamics," said Oxford Economics Senior Research Analyst Ben Wright.

Read the full report from SAP and Oxford Economics to learn more about the study findings.
Visit SAP's website to see the ways SAP is helping customers better manage their supply chains in the face of these unprecedented challenges.

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Two Atos supercomputers in Czech Republic made available to support COVID-19 research

08 April 2020

Atos announced that its two supercomputers at IT4Innovations, the national supercomputing center at the VSB-Technical University of Ostrava, have been made available to researchers and businesses conducting research related to COVID-19. These researchers have the opportunity for privileged access to computing time on Atos supercomputers Anselm, which was launched in 2013 and Barbora, installed in October 2019.

"We encourage researchers to apply if they are currently engaged in research on COVID-19. We have primarily offered our computing capacity to some of our major users, such as the Institute of Organic Chemistry and Biochemistry of the CAC and CEITEC. But others can apply too. In addition, projects supported do not necessarily need to be focused on just drug development but may also be the development of nanomaterials to support the fight against coronavirus or to model the spread of the epidemic" says Vít Vondrák, IT4Innovations' Managing Director.

"In the Czech Republic, we have great researchers who can greatly help with the management of this pandemic and its consequences using high-performance computers for useful calculations. With a joint performance of about 1 PFlop per second, our supercomputers can count thousands of times faster than standard computers, enabling scientists to now save so much valuable time" said Vladek Šlezingr, CEO at Atos in the Czech Republic, who designed and delivered the Atos supercomputers Anselm and Barbora.

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Winner Announced for the 17th Annual 2019 Altair Electromagnetic Student Competition
07 April 2020

Altair announced that Elias Hatem, a PhD student studying Electronics and Communications Engineering, is the winner of the 2019 Altair Electromagnetic Student Competition.

The 17th Annual Altair Electromagnetic Student Competition is an annual international contest established by Altair to acknowledge engineering students interested in antennas, electromagnetic compatibility, wave propagation modeling, wireless connectivity, and other electromagnetic-related fields. Open to undergraduate and graduate students from any location, the contest is designed to give students the opportunity to showcase their work using Altair FekoTM or Altair WinPropTM, both of which are part of the Altair HyperWorksTM suite.

"We are proud of all the students who participated in this competition and want to especially congratulate our first-place winner, Elias Hatem, whose work focused on RFID transmissions," said Dr. Ulrich Jacobus, senior vice president, electromagnetics at Altair. "This competition is one of many initiatives that illustrate how Altair's global academic program is focused on enabling young engineers and data analysts to explore numerous design ideas in less time through their use of our industrial-strength modeling and simulation software – in this case, Altair Feko and Altair WinProp. We believe that the students' ability to leverage tools like ours to innovate faster, through realistic project-based learning, will prepare them for the premier jobs in industry."

Hatem received the award for his 3D model for propagation of UHF-RFID tags' signals in an indoor environment. The competition jury was especially impressed by the creation of his entire workflow, from the computer-aided design (CAD) model of the indoor scenario to the simulation with WinProp. Hatem's project created an excellent match, of 97 percent correlation, between simulation results and measurements, and the complex post-processing process. He is pursuing his PhD degree at Paris-Est University and the Lebanese University in collaboration with AlliansTIC laboratory at EFREI (École d'Ingénieurs Généraliste du Numérique) in Paris, France.

"I have never thought I'd be the winner of this competition and feel very grateful to have this opportunity to present my PhD work. Special thanks go to my two supervisors who always encourage me to exceed in what I do," said Hatem.

The project was guided by the two advisors Elizabeth Colin, associate professor and head of Robotics Systems and Drones at EFREI, and Sarah Abou Chakra, associate professor at the Lebanese University.

"Congratulations to Elias, he worked tirelessly to get very promising results. We have used Altair

WinProp to simulate indoor environments in our research work and the results obtained encourage us to use it for future student projects at EFREI Paris," said Colin.

"There is nothing more fulfilling than reaping the fruits of our labor. I'm very happy for Elias' achievement, which I consider a success for him and the institutions he works with. Teamwork makes the dream work," said Abou Chakra.

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Events

Ansys Online: Using Engineering Simulation to Fight COVID-19 Outbreak April 17, 2020
10 April 2020

To contribute to fighting the COVID-19 pandemic and help accelerate the efforts of academic and industrial scientists and engineers fighting the virus, Ansys is organizing a webinar featuring the simulation technology available to speed up designs and solutions to combat COVID-19.

https://www.ansys.com/about-ansys/events/in-20-04-17-using-engineering-simulation-fight-covid-19

We will discuss challenges in designing devices, healthcare facilities and treatments for the disease:

Designing new ventilator systems

Using existing assembly lines for ventilator system production

Ensuring electronic, mechanical and fluid flow performance of the new design

Evaluating alternative materials

Designing masks

Analyzing fluid flow through the porous medium of masks

Designing isolation wards

Ensuring desired air flow patterns that minimize the risk of further spread

Studying virus spread patterns through sneezing/coughing

Developing device risk mitigation strategies

Ansys is committed to providing software, support and services for the following simulation capabilities:

Multiple physics like fluid flow, mechanical and electrical/electronic analysis

Multiphysics problems like coupled fluid flow and mechanical analysis

Systems modeling to analyze complex interactions of various subsystems of a device

Design optimization

Materials selection for optimal design and function

Benefits of using simulation technology

Accelerate evaluation of device performance and reliability

Conduct "what if" studies

Conduct parametric studies

Perform quick-and-easy simulations followed by detailed analysis if desired

Invited speakers

Dr. Dhiraj K. Mahajan
Associate Professor, Department of Mechanical Engineering, IIT Ropar

Dr. Dhiraj K. Mahajan joined IIT Ropar as Assistant Professor in December 2013. Prior to this, he was a post-doctoral researcher at the Interdisciplinary Centre for Advanced Materials Simulations (ICAMS) at Ruhr University Bochum (Germany), which he joined after earning his Ph.D. from IIT Kanpur in the field of solid mechanics. He has a Bachelor's degree in production technology and a Master's degree in advanced manufacturing processes from NIT Warangal.

Hemant Punekar

With over 16 years of experience at Ansys, Hemant Punekar specializes in computational fluid dynamics (CFD) and has worked closely with the global pharmaceutical and healthcare industry. He has developed several models to solve complex fluid flow problems in medical devices, manufacturing equipment, etc. He has been evangelizing the technology with healthcare and pharmaceutical companies in India.

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CGS to Lead Human Capital Institute Webinar Focused on Remote Learning
06 April 2020

CGS announced it will be sponsoring and participating in the Human Capital Institute (HCI) webinar titled, Reimagining Learning for Rapid Response, on Wednesday, May 6, at 2 p.m. EDT. Speakers include Christopher Lind, Global Learning leader at GE Healthcare, Beckie Anderson, Senior Advisor of L&D at Rio Tinto, and Doug Stephen, President, Learning at CGS.

HCI's "Reimagining Learning for Rapid Response" webinar, which is sponsored by CGS, outlines how L&D teams are being tasked with creating a scalable infrastructure resulting from current disruptions in business, including social distancing and integrating digital transformation. The discussion will include a focus on best practices for transitioning to virtual employee engagement strategies and technologies for remote work such as remote guidance, coaching (e.g., augmented reality, virtual reality, mobile and video) that attendees can immediately leverage in their Learning programs.

"In this current upheaval of business as we know it, moving to a completely remote workforce, L&D is tasked with rapidly ramping up with onboarding, training and engaging of employees," said Stephen. "In this session, our panelists will discuss how best to provide engaging Learning programs to a dispersed workforce while ensuring company objectives are seamlessly measured and met."

The CGS Enterprise Learning division serves as a trusted partner to many of the world's most dynamic companies, delivering innovative, custom learning solutions essential to scaling people, processes and performance. Through tech-forward engaging programs, leveraging AI, AR/VR, machine learning and gamification, CGS provides professional development solutions, blending emerging technology with essential (virtual) shoulder-to-shoulder training. Each solution is custom-tailored and designed to engage employees and keep clients' employee-related business fundamentals strong in an ever-changing corporate environment.

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Eurostep Webinar: Addressing the challenge of sharing Export Control and ITAR information across an extended enterprise.

07 April 2020

We are pleased to invite you to this complimentary webinar, April 22 16.00-17.00 CET, hosted by Eurostep Group, presented by Dr Rob Bodington and guest speaker Dr Ken Versprille from CIMdata.

The world of engineering is increasingly connected with companies collaborating and sharing information across the life cycle of product. From the sharing of requirements and specifications between customers and suppliers, through collaborative design in joint ventures, to the outsourcing of manufacturing, and the consequent operation, maintenance and operational feedback of a deployed product. Some of the information being shared may be subject to Export Control regulations and we all know the importance of complying with such regulations including ITAR.

"In working with aerospace and defense companies, CIMdata commonly hears their important concerns with identifying and limiting product design information relative to intellectual property and export control across their supplier network. We are also seeing an increasing interest in other sectors of the manufacturing industry where sensitive IP is shared as well as a growing need within small and medium businesses"

– Ken Versprille, Ph.D., Executive Consultant, CIMdata.

By attending this webinar, you will learn how to meet challenges when collaborating in global value chains with data regulated by Export Control in combination with non-regulated data. You will also be introduced to Eurostep's solution, ShareAspace Export Control.

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Financial News

SAP Pre-Announces First Quarter Results, Updates 2020 Outlook

09 April 2020

SAP SE announced its preliminary financial results for the first quarter ended March 31, 2020.

IFRS Cloud Revenue Up 29%; Non-IFRS Cloud Revenue Up 27%

Software Licenses Revenue Down 31%

Total Revenue Up 7%

IFRS Operating Profit Up More Than 100%; Non-IFRS Operating Profit Up 1%

2020 Outlook Updated to Reflect Estimated Impact of COVID-19

"As the world navigates the COVID-19 pandemic, SAP has remained focused on our employees, customers, and communities. To support them, we made our vast business networks and technology available for companies to find new sources of supply and manage demand, understand and act on sentiment across value chains that went virtual overnight, and support learning efforts at scale. Our customers will continue to rely on us to listen and engage with their employees in new ways, manage their supply chains, and connect with their customers in a virtual world where sentiment will become a leading indicator."

— Jennifer Morgan and Christian Klein, Co-CEOs

"Our multi-year emphasis on building a strong base of more predictable revenue has made SAP more resilient than ever. Combined with an even more prudent expense management and a continued focus on innovation we will weather the COVID-19 crisis and emerge stronger than before as we have done in past downturns. Our updated guidance demonstrates that even in this challenging environment SAP remains healthy and stable."

— Luka Mucic, CFO

First Quarter Business Update

All 2020 figures in this release are approximate due to the preliminary nature of the announcement and the high uncertainty associated with the COVID-19 crisis.

Business activity in the first two months of the quarter was healthy. As the impact of the COVID-19 crisis rapidly intensified towards the end of the quarter, a significant amount of new business was postponed. This is reflected, in particular, in the significant year over year decrease in software licenses revenue.

SAP has quickly responded to the new environment by adopting a virtual sales and remote implementation strategy. To protect profitability SAP is slowing hiring and reducing discretionary spend in addition to natural savings e.g. from lower travel and virtualized events.

SAP remains committed to its long-term strategy and prospects and is continuing to invest in innovation. SAP expects to emerge from the COVID-19 crisis in an even stronger competitive position than before.

Financial Performance

In the first quarter, cloud revenue grew 29% year over year to €2.01 billion (IFRS), up 27% to €2.01 billion (non-IFRS) and 25% (non-IFRS at constant currencies). Software licenses revenue was down 31% year over year to €0.45 billion (IFRS and non-IFRS) and 31% (non-IFRS at constant currencies). Cloud and software revenue grew 7% year over year to €5.40 billion (IFRS), up 6% to €5.40 billion (non-IFRS) and 5% (non-IFRS at constant currencies). Total revenue grew 7% year over year to €6.52 billion (IFRS), up 7% to €6.52 billion (non-IFRS) and 5% (non-IFRS at constant currencies).

The share of more predictable revenue grew by approximately 4 percentage points year over year to approximately 76% in the first quarter.

As expected, the IFRS operating profit in the first quarter increased significantly primarily due to a significantly lower impact from both restructuring expenses and share-based compensation expenses. Operating profit increased more than 100% year over year to €1.21 billion (IFRS) and up 1% to €1.48 billion (non-IFRS) and down 1% (non-IFRS at constant currencies).

In the first quarter, SAP incurred a cost of approximately €36 million in relation to the cancellation of its in-person annual SAPPHIRE NOW and other customer events. Absent the cancellations, these expenses would have been recognized in the later quarters for which the events were originally scheduled.

Operating margin increased 20.7 percentage points year over year to 18.5% (IFRS) and declined 1.3 percent-age points year over year to 22.7% (non-IFRS) and 1.3 percentage points to 22.6% (non-IFRS at constant currencies).

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Implementation Investments

ESPRIT Helps Pindel Global Precision Answer the Call for Life-Saving Components

09 April 2020

The Wisconsin-based contract manufacturer rose to the urgent challenge of producing ventilator parts with minimal turnaround time.

Founded in Milwaukee, Wisconsin in 1947, Pindel Global Precision has endured through some of the country's toughest times—wars, economic recessions, and, presently, a pandemic. The appearance of unlikely heroes is one silver lining of difficult times, and Pindel might just be one of 2020's best.

Pindel, an ISO9001:2015-certified contract manufacturer of precision-machined parts for global customers, typically serves the industrial control and automation industries. But when COVID-19 hit, CEO Bill Berrien saw an opportunity to help. "We put our name out there as a candidate willing to make ventilator parts at cost," says Bill. "There was a national, humanitarian urgency to meet the need. We had to raise our hands."

At the same time, Pindel was in the middle of another big change—switching the shop from PartMaker to ESPRIT. "PartMaker support had been gradually disappearing after it was acquired by Autodesk," says Bill. "It's not getting the investment that it needs, especially when it comes to CNC Swiss and complex turned parts." Additionally, Bill and his team were frustrated by the frequent editing that PartMaker's programs required. Pindel decided to make the switch to ESPRIT due to its emphasis on continuous innovation. "ESPRIT's regular feature launches, AI capabilities, and reputation for creating great, edit-free NC code make it a better choice to help the team work together and work quickly."

Bill acquired Pindel in 2012 with a professional history overflowing with achievements. After college, he embarked on one of his most formative experiences—serving the country for nine years as a Navy SEAL officer. "They say that once you leave the SEALs, you spend your entire life trying to re-create the experience," Bill says. After the military, he earned a graduate degree from Harvard Business School before heading to the Midwest to work for GE and, ultimately, Pindel.

"I believe that manufacturing can replicate that SEAL experience," Bill says. "You've got a small, highly cohesive, highly trained team trying to do outsized things," he continues. Responding to the manufacturing needs of a global healthcare crisis only highlights the possibilities of this model. "The manufacturing ecosystem we have in this country, and particularly Wisconsin and the upper Midwest in general, can make us the world's factory floor," Bill says. "But it has to be enabled by automation and AI. [At Pindel] one of our key mottos is 'work smarter, not harder.' If there's a tool out there that lets the person do more, let's jump on it."

COVID-19 was Pindel's watershed moment, and ESPRIT made the transition as smooth as possible. "[Regional sales manager] Mark Quartana and [application engineer] Derek Peters were great. We asked Derek to program the part on Friday. Our team here in Wisconsin worked through the weekend, and Derek kept in touch with us. By Monday, we were cutting chips on test material—on all five different part numbers," says Bill, recalling the week his team adopted ESPRIT and began making ventilator parts. "By Tuesday we were making parts, and by Wednesday we were anodizing them." Bill says that the key to successfully navigating this transition was trust—both in ESPRIT and his team.

"It's very similar to what I saw in the Special Operations community. You don't have a single leader giving direction on the little points. Instead, you build a team, give them a goal, and you let them go without meddling. This leadership approach empowers the team to problem solve as they need to," says

Bill.

Today, as Pindel continues to manufacture ventilator parts at full speed while simultaneously pursuing AS9100D certification, Bill looks toward the future. "I believe that on the other side of this crisis, there is going to be a realization that the legacy mindset around supply chains is no longer applicable. The default setting of OEM sourcing teams—using the cheapest components from Asia-based chains—is misplaced. We've got a tremendous amount of automation right here and a capability and capacity to deliver production parts immediately. We've got the technology, the ecosystem, plenty of untapped capacity, and an incredibly skilled workforce. We can change the paradigm; we should be the factory floor for the world."

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Faraday Adopts Synopsys Platform Architect and Hybrid Prototyping Solutions

06 April 2020

Synopsys, Inc. announced that Faraday Technology Corporation has expanded their SoC design services to use Synopsys prototyping solutions, including Platform Architect™ for SoC architecture design and optimization, and HAPS® FPGA-based prototyping for hardware and software co-design to accelerate time-to-market.

Building on the success of Faraday's SoReal!™ Virtual Platform, based on Synopsys' Virtualizer™ virtual prototyping solution, Faraday has grown their portfolio of prototyping solutions to include architecture analysis and hybrid prototyping, enabling their customers to accelerate SoC design, software development, and system validation.

"To accelerate complex SoC development, we require solutions that support early assessment and performance evaluation in the most efficient way," said K.C. Wu, vice president of R&D at Faraday. "The expansion of our collaboration with Synopsys enables our customers to leverage a comprehensive solution to explore and optimize their SoC architecture using Platform Architect as well to quickly validate new IP and system using hybrid prototyping."

"Accelerating time to market, leveraging a collaborative approach to design and ultimately optimizing hardware and software are key requirements for new ASIC designs," said Tom De Schutter, vice president of engineering at Synopsys. "With the expansion of their design services using Platform Architect and HAPS hybrid prototyping, Faraday is demonstrating leadership to bring new and innovative solutions to their SoReal! Virtual Platform, enabling customers to accelerate their time-to-market."

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HALLHUBER Hones in on Time-to-Value with Centric PLM

06 April 2020

The home of unique ready-to-wear items, shoes and accessories for fashion-loving women in Germany has chosen Centric Software as a long-term PLM partner to eliminate non-value added tasks, prioritize more strategic product-related activities and transform operational efficiency, ensuring beautiful products arrive to market quickly and efficiently. Centric Software® provides the most innovative enterprise solutions to fashion, retail, footwear, outdoor, luxury, consumer goods and home décor companies to achieve strategic and operational digital transformation goals.

HALLHUBER GmbH was founded in Munich in 1977. At the time, the concept of young, trend-

conscious brands was still scarce. Today, HALLHUBER is one of the most important vertical fashion brands for self-confident and sophisticated women in Germany, with an internationally connected design team producing up to 26 new collections every year. HALLHUBER sells its range in over 380 stores and sales areas in Germany, Austria, Switzerland, Italy, the Benelux countries, Poland, Great Britain, and Ireland as well as its own online platforms in Germany, Austria, Switzerland and France. The company has consistently pursued its market position in the "Bridge-to-Premium" category over the past 40 years.

With a new collection every two weeks at HALLHUBER, the margin for production error is small in a retail world where there is a growing consumer demand to be on-trend and on-time. Felix Gross, Head of Project Management says an outdated PDM solution was creating internal inefficiencies and hindering the ability to make the strategic decisions required for fast-paced collections.

"We were mainly using spreadsheets, email and a very old-fashioned PDM. None of these systems spoke to each other, so there was a growing need to reevaluate and streamline our design processes in order to save time and minimize mistakes. We wanted to reduce the number of tools we were working with to just one. That's where Centric stepped in."

By incorporating information from previous collections, Centric PLM saves teams hours usually spent searching for crucial data. Increased visibility and efficiency at every stage of product development maximizes time to value, ensuring quantities and quality are on track to meet promised delivery and fulfillment commitments.

Commenting on Centric's position as Fashion PLM market leader, Felix Gross says, "The single most important metric for us is time to value, ensuring that our teams spend more time on using their talents so we can explore new ideas and expand into new categories, while making smarter, more strategic product decisions. It's transformational for us to build this partnership. Centric is constantly developing new product features and effective growth strategies we can benefit from."

"We are very excited that HALLHUBER has chosen to partner with Centric," says Chris Groves, President and CEO of Centric Software. "We look forward to supporting their progress, designing and delivering beautiful products for an increasingly dynamic and competitive female fashion industry."

Inali Develops Smart Ventilator in 8 Days with Dassault 3DEXPERIENCE
09 April 2020

As part of its initiatives to answer urgent needs in the COVID-19 pandemic, Dassault Systèmes' 3DEXPERIENCE Lab supported the Indian startup Inali in the rapid development of a safe, affordable "smart ventilator" that could be quickly manufactured and deployed for emergency use. The development took less than eight days.

Inali, a non-profit organization creating assistive health care products, designed and developed the smart ventilator using the 3DEXPERIENCE platform and a collaborative approach with designers and healthcare professionals from the lab's OPEN COVID-19 online community, as well as with engineering mentors from the 3DEXPERIENCE Lab in India.

Using cloud-based digital applications, Inali engaged with this community of experts and innovators in real time – no matter their location – leveraging collective intelligence to rapidly design a 3D model of the smart ventilator, engineer it, simulate its function, and manufacture and validate a prototype. The

smart ventilator was designed to identify performance metrics for parameters such as air velocity and air pressure that are needed to function, and adjust its operating parameters accordingly, as well as to identify the appropriate oxygen level for an individual patient and the safety metrics required for reliable and safe use.

Ventilators play a key role in treating patients suffering from COVID-19. As the number of cases rise, India risks running short of ventilators and the imported parts needed to manufacture them. Inali's smart ventilator was designed to be manufactured locally and quickly with readily available parts, to help meet demand by hospitals and government agencies cost-effectively. Inali will publish the complete smart ventilator design and manufacturing details as open source information that can be downloaded by anyone to manufacture in their area.

The 3DEXPERIENCE Lab is an open innovation laboratory and startup accelerator program dedicated to nurturing and empowering disruptive projects and transforming society. For more information on the projects quickly emerging from Dassault Systèmes' 3DEXPERIENCE Lab COVID-19 initiatives: https://go.3ds.com/opencovid19

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Product News

Centric: The Power of Remote Collaboration through Digital Transformation
08 April 2020

Today it's business as (un)usual. External factors such as COVID-19, tariffs, the climate crisis, and political shifts affect the product lifecycle and disrupt everyday business processes.

There's never been a more essential time for brands and retailers to arm themselves with digital transformation tools that support remote work and empower employees with more visibility and better control of product development. When companies streamline their processes they see positive impacts on their bottom line, while also creating efficiencies and reducing risk in a fluctuating global marketplace.

Working remotely? Can't travel? It's still possible to review vendor quotes, manage physical and 3D materials, conduct product sample reviews, develop assortments, and hold buying sessions.

Responding to the disruptions faced during the COVID-19 outbreak and requests from the market, Centric Software designed innovative Quick-Start Collaboration tools to help brands and retailers seamlessly connect teams, limit disruptions and continue business-critical operations. Deployed remotely, these Quick-Start Collaboration tools were designed to be—quick—so you can be up and running in days not months.

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OpenText Announces new Cloud Editions (CE) for the Resilient Organization
09 April 2020

OpenText announced its most comprehensive cloud update, with the delivery of OpenText Cloud Editions (CE) 20.2. This release provides a strengthened information infrastructure, empowering organizations to quickly respond and adapt to a business climate defined by new ways to work.

OpenText Cloud Editions (CE) 20.2 offers flexible cloud-deployment options with managed service

expertise, new Core SaaS applications and services, developer-centric innovations, and the latest Trading Grid™ cloud integration platform designed to unlock the value of an organization's information assets.

"We are operating in unprecedented times – as we together face a global pandemic that is changing the very nature of work, life and supply chains," said Mark J. Barrenechea, OpenText CEO and CTO. "OpenText Cloud Editions (CE), OpenText OT2 Applications, and our new Business Network are designed to help customers manage and transition to new priorities. Our latest software and services provide cyber resilience, secure information platforms and allow customers to digitize business processes and work from anywhere. We proudly stand with our customers and partners who are on the front-line of this global pandemic."

These new information management tools help organizations scale, flex and respond to change. This launch provides technology updates designed to adapt by default, helping our customers lead their teams through this crisis and invest for recovery.

Scale, flex, and adapt to a changing market
OpenText Cloud Editions (CE) introduces new cloud-native software from OpenText. Designed with a containerized architecture, OpenText Cloud Editions (CE) provides organizations with flexible options to run software anywhere, whether in their data center, through a hybrid deployment, or within their cloud platform of choice. Containerized quarterly updates offer new features and value, and provide customers with the regular, incremental updates and improvements that they have come to expect in the cloud. Release CE can be paired with powerful managed and professional services to ensure success.

"Cloud-based infrastructure provides an incredible opportunity to modernize IT infrastructure, which can enable enterprises in transforming their businesses," said Frank Della Rosa, Research Director, SaaS and Cloud Software at IDC. "Organizations want to be able to choose a cloud-based infrastructure to match the needs of their business and offering flexible cloud deployment options helps them make the right choice."

Along with OpenText Cloud Editions, this release includes a host of innovative features and capabilities:

OpenText Security – Encase™ Endpoint Investigator and Endpoint Forensics now run full-spectrum investigations on Apple devices running the Apple T2 Security Chip. EnCase Endpoint Security raises the bar for instantaneous endpoint detection and response – adding real-time monitoring for crucial persistence artifacts. For forensic labs, government agencies and corporations, remote access with Tableau TX1 Forensic Imager is further improved with secure 802.1x network connectivity.

OpenText Content Services - With the latest release of Extended ECM for Microsoft Office 365, remote workers can collaborate on business content and store Microsoft Teams documents and chats as records. AI-powered Intelligent Capture automates filing of documents and metadata in an Extended ECM workspace. As part of the ongoing investment in Documentum, support for the SAP Fiori UI has been added to Extended ECM for Documentum.

OpenText Customer Experience Management – Marketers can author, personalize and orchestrate multi-channel communications directly from the browser with Exstream™, including new collaborative review with visual compare capabilities. Media Management gets advanced home screen personalization and collections sharing, as well as job flow automation. TeamSite™ and Optimost™ introduce

streamlined targeting and experimentation for rapid promotion of best performing content and assets.

OpenText AI and Analytics – Magellan BI and Reporting delivers a what-you-see-is-what-you-get (WYSIWYG) experience for simplified self-service dashboard authoring. This release also introduces emotional analysis in Magellan Text Mining as well as new connector and crawling capabilities.

OpenText Legal Tech – Insight Examiner is a new cloud investigation application that rapidly discovers the unknown facts of an investigation and surfaces relevant documents. Insight adds new Cut Point review feature that rapidly produces data without manual review as part of defensible technology-assisted review (TAR). Axcelerate™ and Magellan are now integrated to support AI-powered text analytics for search and enrichment.

OpenText AppWorks™ – Developers can more quickly and easily automate processes and create applications with simplified security capabilities and new drag and drop UX features.

New SaaS applications to keep pace with information intensive challenges
OpenText OT2 20.2 features new purpose-built Core SaaS applications that extend the value of existing OpenText on or off cloud deployments.

OpenText™ Core for Building Information Modeling is the latest addition to OpenText's growing roster of next-generation purpose-built SaaS applications. Core for Building Information Modeling reduces operational costs and complexity, while increasing efficiency in building operations by facilitating the efficient capture and verification of incoming data.

Core applications are easily deployed, provide purpose-built capabilities, continuous updates, and low total cost of ownership. Core SaaS applications include Share, Capture, Signature, Experience Insights, Federated Compliance, SAP Solutions and Capital Projects designed to help business leaders manage processes and improve productivity.

Build new applications to meet new requirements
OT2 20.2 delivers new Core services to help developers build customized applications to solve specific information management challenges. This includes an intelligent capture service for automating data extraction and an eSignature service for document preparation, and rapid, secure electronic signing.

Select partners will be invited to participate in a closed Developer Beta Program with a refreshed developer experience, where partners can access additional OT2 services and APIs. Partners can register interest in the closed Developer Beta Program here.

Manage supply chain disruption with the new, enhanced Trading Grid
Today OpenText also announced the new OpenText Trading Grid, the industry's only unified B2B and A2A integration platform delivered as a managed service. This release combines multi-enterprise integration capabilities with a modern, microservices architecture and industry-leading data visualization from OpenText Alloy™. Powerful data visualization provides real-time insight into supply and demand fluctuations, enabling agile responsiveness. Self-service innovations in Trading Grid, including self-service connectivity in Global Partner Directory, enable customers to rapidly move disrupted supplier orders to available suppliers already connected to Trading Grid. A managed services delivery model ensures customer IT departments can keep pace with new demands without having to change their own workforce model.

Additionally, the latest release of RightFax 20.2 features a new Epic connector for rich healthcare EMR integration, streamlining information workflows and enhancing productivity for hospitals and nurses.

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OpenText Launches Unified Cloud Integration Platform

08 April 2020

OpenText announced the launch of the new OpenText™ Trading Grid™, the world's leading cloud integration services platform. The launch combines multi-enterprise integration capabilities with a modern, microservices architecture as well as industry-leading data visualization from OpenText ALLOY™.

"COVID-19 changes everything, and industries are experiencing massive disruptions in their approach to materials, manufacturing and supply chain strategies", said Mark J. Barrenechea, CEO & CTO of OpenText. "Our new OpenText Business Network 20.2 radically transforms how companies can interact with their supply chain, bringing diverse sources of information, transactions and applications into a single platform. We are setting a new standard for intelligent supply chains that will help companies navigate this new normal."

Improved integration of business-critical information and services provides companies with greater insight into their operations so they can react quickly in the face of unforeseen disruptions or emergent opportunities.

Today, companies face a new reality of unstable global markets and shifting supplier relationships. In the face of unforeseen supply chain and operational disruption, they need better visibility into multi-enterprise operations, insights into transactions, integrated third-party data sources, and self-service capabilities.

Trading Grid is now the only cloud platform for B2B and A2A integration delivered as a managed service. A single connection to Trading Grid provides a powerful network effect that can reduce time to market, improve operating efficiency, enhance customer experiences, and help comply with regulatory mandates.

"We are seeing a trend where best-of-breed data capabilities are being brought together onto unified platforms to help simplify the complexities of modern data environments," said Stewart Bond, Director Data Integration Software research at independent analyst firm IDC. "A single platform that can normalize data across any source—whether on-premises applications, cloud applications, trading partner systems, and IoT connected devices—is critical for business process visibility and optimization. Technology is only part of the solution in these complex environments, and many leading organizations are also opting for a managed services approach to implementing unified platforms, freeing valuable technical resources to focus on other priority initiatives."

OpenText Delivers a Single unified platform
Trading Grid combines network services, integration services, managed services, and SaaS applications into a single cloud platform. The addition of OpenText Lens to Trading Grid allows users to monitor and

manage data flows to improve performance and mitigate risk.

Studies from market intelligence leader IDC show that one in five organizations now have more than 10 integration tools in use. A single unified platform helps enterprises to break data silos between applications and trading partners and integrate data from many disparate sources more quickly. The resulting integrated and normalized data enhances business process efficiency and visibility—driving agility and responsiveness to unforeseen events.

Power of the network with Global Partner Directory
Trading Grid connects customers to a powerful global network of over 1.2 million trading partners spanning multiple industries and business types. Instead of setting up and maintaining separate connections, a single connection to Trading Grid provides instant access to the world's largest commerce platform.

Global Partner Directory provides self-service search, filter and instant connection to enterprises connected to Trading Grid. With data enrichment and survey capabilities, organizations can mitigate risk, build trust, and support corporate values such as ethical sourcing and sustainable supply chains.

Enabling the API economy
The API economy delivers rapid integration with real-time data flows. APIs coexist with many other forms of integration, and Trading Grid fully supports synchronous and asynchronous data flows. The latest Trading Grid enables the API economy with a vast library of pre-built API connectors and solution accelerators.

The addition of Trading Grid Solution Directory and Solution Designer significantly accelerate integrations and time to value with most common business applications, from ERP to analytics, social media to payments, and many others. Trading Grid also features a library of APIs that customer can consume in their own applications.

Powerful Technology-enabled Managed Services Ease Change Management
Technology-enabled managed services provide proven, efficient and repeatable best practices for day-to-day integration management. Businesses can leverage OpenText integration specialists for complex projects to optimize delivery, and they can extend integration capacity on-demand to complete integrations more quickly.

Trading Grid also enhances user control and productivity with new features, including a self-service mapping portal, self-service onboarding, and a new Community Projects portal for managing the full support request lifecycle. With most integration costs derived from change management, not initial set up, managed services are a solution for companies focused on growing their business, rather than managing integration complexity.

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Razorleaf Corporation Launches Manufacturing Suite for Aras Innovator Platform
07 April 2020

Razorleaf Corporation announced the release of their Manufacturing Suite for the ARAS Innovator

platform.

The suite offers Aras' users standalone business applications to extend PLM capabilities and automate critical business processes and workflows common to manufacturers. These modules accelerate manufacturers' time to market with robust functionality that improves the management of engineering, training, suppliers, and projects. The Razorleaf Manufacturing Suite is designed to support core discrete manufacturers including aerospace and defense, automotive, and industrial manufacturing.

Manufacturing Suite Key Business Modules:

Change Management enables engineers to modify and update any "in-work" Engineering Change Order, Engineer Change Notice, or revision-controlled document change.

Training Management automates training processes and procedures to effectively onboard employees, monitor progress, track certifications, and ensure compliance.

Supplier Management allows users to qualify and rank strategic vendors, implement and track corrective actions, and perform audits.

Project Management enables users to plan, manage, and track key project information with extended workflows, reporting and dashboards.

The Manufacturing Suite is a subscription-based model that can be deployed either on-premise or in the cloud to reduce costly customization and simplify PLM implementation.

"We have developed the Manufacturing Suite based on proven principles of successful PLM implementations developed by Razorleaf through our two decades of client collaboration," said Eric Doubell, CEO of the company. "We are a strategic partner of Aras, working with them on an ongoing basis to design applications that complement their platform. Our product line continues to evolve to include comprehensive, innovative and flexible solutions that enable the next generation of digitalization for our clients to deliver a competitive advantage. Razorleaf is committed to developing new products and services to strengthen our portfolio as part of our key 2020 initiatives."

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SolidCAM: New Turbo Roughing

07 April 2020

SolidCAM India recently machined two dies on a Jyoti VMC CNC using Tools provided by TaeguTec. Using the new Turbo Roughing, Rest Roughing and Turbo Finishing strategies in SolidCAM 2020, the team at SolidCAM India were able to achieve an impressive surface finish.

SolidCAM India recently machined two dies for an upcoming Open House session at the Siemens TAG centre in Bangalore.

The dies were machined on a Jyoti VMC CNC using Tools provided by TaeguTec. Jyoti CNC is the largest CNC machine tool manufacturing company of India with a subsidiary, Huron, based in Strasbourg, France.

Utilizing the new Turbo Roughing, Rest Roughing and Turbo Finishing strategies in SolidCAM 2020, the team at SolidCAM India were able to achieve an excellent surface finish of 0.4 μm when machining the dies. Results of the machining process are below:

Machine: Jyoti VMC 640

Controller: Siemens 828 D

Material: P20 (Pre-hardened Die steel)

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